

**NOTICE OF RECEIPT OF  
HUMAN HEALTH RISK ASSESSMENT REPORT  
FOR THE K-1435 TSCA INCINERATOR AT  
EAST TENNESSEE TECHNOLOGY PARK (ETTP)**

The Tennessee Department of Environment and Conservation (TDEC) Division of Solid Waste Management (DSWM) is announcing the receipt of the Air Dispersion Modeling and Risk Assessment Report for the K-1435 Toxic Substances Control Act (TSCA) Incinerator for East Tennessee Technology Park (ETTP), owned/operated by the U. S. Department of Energy and co-operated by Bechtel Jacobs Company, LLC; and The Shaw Group, EPA ID Number TN0 89 009 0004, located at Tennessee Highway 58 Blair Road, Route 327 in Oak Ridge, Roane County, Tennessee 37831.

K-1435 TSCA Incinerator was designed and permitted to thermally treat TSCA-regulated wastes (i.e., polychlorinated biphenyls (PCBs)) and RCRA-regulated hazardous wastes. The incinerator consists of a rotary kiln and a secondary combustion chamber followed by a wet off-gas cleaning system. The off-gas cleaning system includes a quench chamber, a venture scrubber, a packed-bed scrubber, two in-series ionizing wet scrubbers, an induced draft fan, and an exhaust stack. A trial burn was conducted in May 2001 to yield primary emissions data for risk analyses.

The purpose of this risk assessment is to evaluate human health and ecological risks posed by emissions from the K-1435 TSCA Incinerator. The methodology employs a multi-pathway human health risk assessment (HHR) that not only quantifies the inhalation pathway, but also the indirect exposure pathways of soil ingestion, and contaminant exposure through aquatic and terrestrial food chains. The ecological risk assessment (ERA) assesses potential risks to ecological receptors (e.g., wildlife in the vicinity of the incinerator) through direct and indirect (e.g., food web interaction) exposures to incinerator emissions.

The purpose of the dispersion modeling is to estimate the downwind concentration of pollutants emitted by various pollution sources such as industrial facilities. Dispersion models play an important role in the industrial and regulatory communities. They are typically used to demonstrate compliance with permitting efforts.

Copies of the permit, including the [Response to Comments](#), are available for public inspection at any of the following locations: TDEC Knoxville Field Office, Public Access Area, 3711 Middlebrook Pike, Knoxville, Tennessee 37921 (865-594-6035); Kingston Public Library; 1004 Bradsford Way, Kingston, Tennessee (865-376-9905); DOE Oak Ridge Public Reading Room, 475 Oak Ridge Turnpike, Oak Ridge Tennessee (865-241-4780); TDEC Department of Energy Oversight Division Office, 761 Emory Valley Road, Oak Ridge, Tennessee (865-481-0995).

For quicker service, and to insure that copies are available for review, please contact the appropriate library or office before you visit.

For further information contact:

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TDEC is committed to principles of equal opportunity, equal access and affirmative action. Contact the EEO/AA Coordinator at 1-888-867-7455 or the ADA Coordinator at 1-866-253-5827 for further information. Hearing impaired callers may use the Tennessee Relay Service (1-800-848-0298).

Persons who wish to be on DSWM's other mailing lists should request a Mailing List Request form by calling or writing: Public Participation Officer; Division of Solid Waste Management; Tennessee Department of Environment and Conservation; 5th Floor, L & C Tower; 401 Church Street; Nashville, Tennessee 37243-1535; telephone 615-532-9417 or email Solid.Waste@state.tn.us.

**NOTICE ISSUED:** July 17, 2006